

Abstract

Methods and apparatus for calibrating volume measurement in a plethysmographic chamber are described. The present invention involves the use of a calibration volume chamber of known volume coupled to a plethysmographic measurement chamber in a plethysmographic measurement system for determining body composition, wherein a computer system calibrates the measurement system prior to conducting a volume measurement of a test subject, by measuring the chamber volume before and after opening an electronically controlled valve that connects the controlled calibration volume to the plethysmographic chamber, and comparing the measured chamber volumes based on the known reference volume.

10036161-123101